

Case study

Faster, easier and more consistent mass cable bundling with the CPK hybrid Autotool

Reducing the hidden cost of manual cable bundling

The challenge



Optimising repetitive cable bundling within Van Egmond Groep's panel building supplies operation.

Repetitive cable bundling slowing daily panel building stock operations

Van Egmond Groep, part of Sonepar, is an electrical wholesaler and industrial services provider in the Netherlands. Within its panel building supplies department, cable bundles are produced for stock and later use in electrical panels. Producing short bundles in a variety of configurations is a frequent and repetitive part of the daily operation.

Until recently, the process was carried out entirely by hand. Operators selected a cable tie, positioned the bundle, manually looped and tightened the tie, then cut and disposed of the excess material. While straightforward, these multiple manual steps consumed valuable time for every bundle produced.

Manual processing affecting speed, consistency and labour use

Because cable bundling is performed continuously throughout the day, even small inefficiencies added up over time. Variations in technique and applied tension could also result in differences between finished bundles. In addition, cut-off cable tie waste had to be collected and cleared from the workstation after each batch.

The customer wanted to increase productivity while maintaining a consistent finish, reducing housekeeping effort and making the task quicker and easier for operators to manage as part of their daily work.

The solution

Semi-automated processing streamlines bundle production



The CPK hybrid with Bench Mount Kit creates a dedicated workstation for high-frequency bundling tasks.

Designed for faster, more consistent bundling with improved operator comfort

Following discussions with HellermannTyton and an on-site demonstration, Van Egmond Groep evaluated the CPK hybrid automatic cable tying tool under real production conditions before implementation.

The selected solution combined the CPK hybrid Autotool with a Bench Mount Kit, creating a dedicated workstation for high-frequency bundling tasks. The system automatically tensions and cuts cable ties using predefined settings to deliver repeatable results.

The customer identified the CPK hybrid while looking for ways to increase processing speed. Testing the reel-fed tool in its production environment confirmed the productivity benefits and provided a clear business case for investment.

Rather than requiring changes to the wider panel building process, the solution was integrated into the operators' existing workflow.

Combining automated tying with a dedicated workstation helped increase speed, improve consistency and simplify repetitive assembly work.

For Van Egmond Groep, the Bench Mount Kit proved particularly beneficial because operators can work from a seated position, allowing cable bundles to be produced in a relaxed and controlled manner.

The fixed workstation layout also minimised interference during bundling which helped deliver the desired faster, consistently repeatable results.

The result

"We wouldn't want to go back to manual bundling."

Ten times faster cable bundling with repeatably consistent results

After several months of use, the CPK hybrid has become an established part of daily operations at Van Egmond Groep. According to the customer, the tool is approximately ten times faster than the previous manual process.

In high-volume applications, even small reductions in cycle time can generate significant productivity gains. By replacing a multi-step manual operation with a single automated process, operators can complete bundling far more efficiently and spend more time on other assembly activities.

Faster bundle preparation also helps prevent bundling from becoming a bottleneck during busy periods, supporting shorter lead times and quicker order fulfilment.

For example, a bundle that took 1 minute 20 seconds to produce manually can now be completed in just 8 seconds using the CPK hybrid.

Uniform bundle quality and positive operator feedback

The productivity gains were matched by improved consistency. Using predefined tension settings, the CPK hybrid delivers uniform bundling results time after time, helping standardise quality regardless of operator.

The customer also highlighted the benefit of automatic waste collection. Because strap cut-offs are collected directly by the tool, there is no need to sweep up waste or clean the surrounding work area after production.

In addition to the productivity benefits, the Bench Mount Kit allows operators to work comfortably from a seated position, further improving ease of use during repetitive bundling tasks.



Operators quickly integrated the CPK hybrid into their daily workflow.

Overall, the CPK hybrid has helped Van Egmond Groep achieve faster cable bundling, more consistent results, reduced cleanup effort and a more comfortable operator experience.

Together, these benefits have transformed a routine stock-preparation activity into a faster, more efficient and more repeatable process.

By reducing the time spent on a repetitive manual task, operators can focus on more valuable activities while easing pressure during urgent, high-volume production periods.

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